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SIXTH ANNUAL REPORT

OF THE

**North Carolina Sanatorium for the
Treatment of Tuberculosis**

UNDER CONTROL OF STATE BOARD OF HEALTH

SANATORIUM, N. C.

1919

MAR 26 1985



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RALEIGH
EDWARDS & BROUGHTON PRINTING CO.
STATE PRINTERS
1920

NORTH CAROLINA SANATORIUM

FOR THE TREATMENT OF TUBERCULOSIS

(Under the control of the State Board of Health)

PERSONNEL

MEMBERS STATE BOARD OF HEALTH

DR. J. HOWELL WAY, President	Waynesville
DR. RICHARD H. LEWIS	Raleigh
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DR. W. S. RANKIN, Executive Secretary, Raleigh, N. C.

Superintendent	L. B. McBRAYER, M.D.
Assistant Superintendent	P. P. McCAIN, M.D.
Assistant Physician and Director of Laboratories	R. McBRAYER, M.D.
Assistant Physician	J. L. SPRUILL, M.D.
Private Secretary to Superintendent	A. W. SNOW
Head Nurse	MISS MAMIE O'KELLY
Head Nurse, Assistant	MISS E. CONNOLLY
Cashier	CHAS. McCAIN

EXTENSION DEPARTMENT OF THE NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

BUREAU OF TUBERCULOSIS, STATE BOARD OF HEALTH

Chief of Bureau	L. B. McBRAYER, M.D.
Assistant Chief of Bureau	P. P. McCAIN, M.D.
Office Secretary	A. W. SNOW
Stenographer	MISS L. THORPE
Stenographer	MISS L. LINDLY
State Director of Public Health Nursing	MISS ROSE M. EHRENFELD
Director Organization and Education Among the Negroes	FLORENCE C. WILLIAMS

STATE RED CROSS SEAL COMMISSION

MRS. C. C. HOOK, Chairman, Charlotte	MRS. R. C. WARREN, Gastonia
MR. HAMILTON C. JONES, Charlotte	MRS. C. MARTIN, Wilmington
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MRS. CHARLES R. WHITAKER, Henderson- ville	DR. W. L. DUNN, Asheville
MRS. MARK QUINERLY, Greenville	MRS. S. H. BROWN, Oxford
	COL. J. L. LUDLOW, Winston-Salem
MRS. J. L. WETMORE, Arden	

DR. L. B. McBRAYER, Executive Secretary and Treasurer

A. W. SNOW, Assistant Secretary


LETTER OF TRANSMITTAL

DR. W. S. RANKIN, *Secretary,*
State Board of Health,
Raleigh, N. C.

MY DEAR DOCTOR:—I hereby transmit to you, and through you to the State Board of Health and the Governor and General Assembly, a report, being the 6th annual report of the North Carolina Sanatorium for the Treatment of Tuberculosis for the year 1919.

Very respectfully yours,

L. B. McBRAYER,
Superintendent.



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SIXTH ANNUAL REPORT
OF
THE NORTH CAROLINA SANATORIUM FOR THE
TREATMENT OF TUBERCULOSIS

UNDER CONTROL OF
THE STATE BOARD OF HEALTH
SANATORIUM, N. C.

SUMMARY OF YEAR'S WORK
OF THE NORTH CAROLINA SANATORIUM (INCLUDING THE
EXTENSION DEPARTMENT), 1919

Letters and postals received.....	20,462
Letters written:	
Individual.....	16,642
Multigraph.....	47,162
Total.....	63,804
Articles written (approximate number words):	
Newspaper.....	45,400
Bulletin.....	17,500
Official pamphlets.....	20,300
Other publications.....	31,900
Articles copied.....	48,200
Total.....	163,300
Forms and placards prepared.	451
Total number copies of forms and placards.....	95,339
Blank cards mailed for reporting cases of tuberculosis.....	4,338
Number cases reported:	
White.....	1,294
Black.....	1,012
Total.....	2,306
Literature:	
Pieces sent to reported cases.....	15,587
Other literature sent out.....	124,459
Total.....	140,046

Mailing cases distributed.....	64
Sputum cups distributed.....	120,050
Tuberculin sent physicians for von Pirquet diagnostic test.....	300
Blanks for reporting results of von Pirquet diagnostic test.....	300
Patients' histories written (359); approximate number words.....	179,000
Envelopes addressed.....	73,509

Dr. L. B. McBrayer:

Addresses delivered.....	33
Total audiences.....	4,625
Conferences with local authorities.....	169
Days out of office.....	91

Dr. P. P. McCain:

Consultations with county health officers.....	1
Patients examined at Wilson.....	14
Number weeks spent in special study, (x-ray and pathology of the chest).....	3
State prisoners examined for tuberculosis, Dr. R. A. McBrayer assisting.....	6

Dr. R. A. McBrayer:

Addresses delivered.....	3
Total audiences.....	900
Conferences held.....	18
Consultations.....	2
Clinics visited.....	1
Sanatoria visited.....	1

Dr. J. L. Spruill:

County clinics held.....	2
Patients examined.....	182
Addresses.....	14
Total audiences.....	2,975
Conferences.....	10

Number of outside patients examined.....	909
--	-----

SUMMARY OF WORK AMONG THE NEGROES

Number of leagues organized.....	465
Members.....	16,467
Meetings reported as held.....	230
Total attendance.....	6,360
Total number addressed by supervisors on health topics.....	84,225
Total number present at meetings Home Makers Clubs.....	6,170
Total number reached by Mrs. Williams and Mrs. Holland in addresses on health and sanitation.....	29,227
Total audience present at lectures.....	131,022
Total number conferences.....	197

Exhibits:

State fair;
 Southern Conference on Tuberculosis;
 Sandhill fair;
 12 1st prizes;
 5 2nd prizes;
 1 prize for best exhibit.

Number patients December 1, 1918.....	113
Number patients admitted.....	311
Number patients discharged.....	299
Number patients December 1, 1919.....	125
Number hospital days.....	43,446
State appropriation, maintenance.....	50,000
Cost per patient per day to State.....	\$1.15

Appropriations, 1918:

Maintenance.....	40,000.00
Extension.....	10,000.00
Total.....	\$50,000.00

Lives saved as against previous year, 91 at \$4,000.....	\$ 396,000.00
Cases saved as against previous year, 728 at \$2,400.....	1,747,200.00
Total.....	\$ 2,143,200.00
	50,000.00

Net profit for 1918.....\$ 2,093,200.00

Appropriations, 1919:

Maintenance.....	\$50,000.00
Extension.....	14,000.00
Total.....	\$64,000.00

Lives saved as against previous year (estimate on statistical report), 500 at \$4,000.....	\$2,000,000.00
Cases saved as against previous year, 4,000 at \$2,400.....	9,600,000.00
	\$11,600,000.00
	64,000.00
Net profit for 1919.....	\$11,536,000.00

EXPLANATIONS

(The value of life fixed at \$4,000 is taken from the economy tables of Prof. Irving Fisher, recognized as standard in the United States.)

The loss attributed to case fixed at \$2,400 is an approximation. Prof. Fisher places cost of average case of typhoid fever at \$400, including those who recover

and those who die. The period of total disability is not above three months in such cases. The period of disability in tuberculosis is certainly six times as long as in typhoid, or one and one-half years. The economic cost of each case has therefore been approximated as six times that of the typhoid case.

The Framingham demonstration has shown a ratio of eight cases to each death. In arriving at the reduction in number of cases it has been assumed that the reduction is in the same ratio as the prevalence; that, in other words, for each reduction in number of deaths there is a corresponding reduction of eight in the number of cases.

The economic value of \$4,000 placed upon a life is figured at the height of production age, 30-35. This value was arrived at several years ago. At present standard of values this figure probably should be put at \$8,000, with a corresponding increase in the cost of each case of illness.

The cost of funeral expenses is included in the item of cost per case.

The item of future infections prevented would, it seems, be included in the item of reduction of cases.

(R. B. W.)

REPORT OF ROSE M. EHRENFELD

FOR YEAR

DECEMBER, 1918-DECEMBER, 1919

Correspondence:

Received.....	920
Sent.....	1,502

Days in the office..... 48.5

Time spent at conferences, etc.:

Southern Tuberculosis Association, Birmingham, days.....	3
State Social Service Conference, days.....	.5
Institute Red Cross Divisional Directors and State Nurses, Washington, days.....	5
State and County Council, days.....	3
Southern Tuberculosis Conference, Asheville, days.....	2
State Nurses' Association, days.....	1.5
National Tuberculosis Conference, Atlantic City, days.....	2

Total days..... 17

Time spent for County Tuberculosis Clinic:

In interest of clinic, days.....	2.5
On duty at clinic, Randolph County, days.....	8

Total days..... 10.5

(120 examinations, 25 additional appointments.)

Counties visited relative to county development:

Moore	Orange	Hertford
Montgomery	Caldwell	Granville
Iredell	Burke	Edgecombe
Yancey	Macon	Cumberland
Scotland	Cherokee	

County Nursing Service committees organized:

Randolph	Iredell
Burke	Catawba
Yancey	

Survey of Nursing Work:

Spray	Winston-Salem	Fayetteville
High Point	Charlotte	White Rock
Wilson	Raleigh	Rocky Mount
Statesville	Durham	Oxford
Asheville	Goldsboro	Ashboro
Greensboro	New Bern	Greenville
Rockingham	Wilmington	Tarboro

Reorganization of town nursing service effected twice, releasing work from charity organization control and placing under direction of a mixed advisory board.

Nurses placed for Public Health Work:

COUNTIES	TOWNS
Granville.....1	Raleigh.....2
Wilson.....1	New Bern.....1
Catawba.....1	Statesville.....1
Swain.....1	Goldsboro.....1
Randolph.....1	Charlotte (City Supervisor).....1
Pitt.....1	Winston-Salem (City Supervisor)....1
(New Hanover)	
(Cumberland)	

Scholarships secured for course in Public Health Nursing:

Metropolitan scholarship.....1
Red Cross scholarship.....4
—
Total.....5

Nurses at present taking post graduate courses on scholarships:

At Richmond (S. S. W. and P. H.).....3
At Cleveland (W. R. University).....1
—
Total.....4

Financial support secured:

Salary secured for nurse for Chapel Hill.
 Salary and transportation for nurse in Randolph County.
 Salary and transportation for nurse in Iredell County.
 Salary and transportation for nurse in Burke County.
 Salary secured for nurse in Yancey County.
 Increase in salary for nurse, once.
 Money for car, once.
 Money to continue nursing work, once.

Nurses visited in their field:

Five doing county work, and
 All others doing town work, and
 Most at industrial centers and
 Working under church boards.

Time spent in the district with, or in starting new nurses, days.....39
Supervisory visits to nurses in the field.....36
Grips furnished visiting nurses (Swain County, Raleigh, Wilson)..... 3
Supervisory visits in homes with district nurses.....86
Other patients visited (reported tuberculous or suspects).....10
—
Total.....96

Papers read:

Southern Tubercuolsis Conference, Asheville.....	1
State Nurses' Association.....	1
Conference of N. O. P. H. N., A. R. C., U. S. P. H. S., and Met., in Cincinnati.....	1
State Medical Society.....	1
Total.....	4

Articles released for publication:

University News Letter;	
State Health Bulletin;	
To the National Tuberculosis Association;	
Leaflets and newspaper articles;	
Total.....	11

Talks made:

Metropolitan agency staff and nurses;	
Southern Tuberculosis Conference;	
Groups of school children (white and black);	
High schools;	
State College for Women;	
Biddle University (colored);	
Teachers' Meetings;	
County Teachers' Institutes;	
and Meetings of—	
Aldermen,	
Community Leagues,	
Woman's Clubs,	
Betterment Associations,	
Civic Leagues,	
County Commissioners,	
City Nursing Staffs,	
County Farmers' Institutes,	
State Farm Women Institute,	
Red Cross Chapters,	
Executive Boards,	
Home Service Committees,	
Round Tables on Public	
Health Nursing, and to	
County Health Officers taking	
course at Sanatorium, and	
other public meetings.	
Total.....	58

Demonstrations given:

Public demonstrations for infant feeding.....	2
Classes and demonstrations for county home demonstration agents.....	7
To groups of mothers at schools.....	4
Total.....	13

Formal conferences held:

- With Red Cross Home Service Committees;
- With ex-Sanatorium patients;
- With chapters regarding county development;
- With different organizations regarding re-organization of work, etc.
- Total.....49

Personal interviews and other conferences with health officers, physicians, nurses, etc.....270

Other service rendered:

- Assisted 2 industrial nurses (request of cotton mills) in starting work, planning records, etc.
- Served on tuberculosis committee of N. O. P. H. N.
- Served as State representative for N. O. P. H. N.
- Served as chairman, Public Health Section, State Nurses' Association.
- Ran course of instruction for all County H. D. A.
- Secured co-operation of State University, through Extension Department of which literature of N. O. P. H. N. will be distributed.
- Circularized nurses in the State announcing literature available.
- Circularized nurses with leaflet of N. O. P. H. N. regarding special courses.
- Outlined health program for woman's club.
- Got two nursing associations to adopt standard records.
- Held round table at State Social Service Conference.
- In addition, visited 22 town or county health departments, 22 schools, and referred credentials to 50 sources of inquiry for nurses and referred 30 nurses for positions open.

Metropolitan offices visited.....17

Statesville	Goldsboro	Greensboro	High Point
Charlotte	Kannapolis	Raleigh	Wilmington
Salisbury	Winston-Salem	Wilson	Rockingham
Fayetteville	New Bern	Durham	Asheville
			Oxford

Visits to Metropolitan offices.....36

Conferences with superintendents, deputy superintendents, agency staffs and nurses.....24

Talks and open discussions on such occasions.....13

Metropolitan field supervisors' card or letter reports sent to nursing service....20

Metropolitan literature used in connection with class and demonstration work.

Metropolitan patients visited in districts with nurses.....34

ROSE M. EHRENFELD, R.N.
State Director Public Health Nursing.

LITERATURE OF THE BUREAU OF TUBERCULOSIS OF THE NORTH CAROLINA STATE BOARD OF HEALTH

TITLE OF BULLETIN

- Bulletin No. 41—Tuberculosis: The Great White Plague.
Bulletin No. 36—Tuberculosis: Its Nature and Prevention.
Bulletin No. 39—Important Facts About Tuberculosis and Your Chances Against It.
Bulletin No. 56—Tuberculosis: Its Cure and Prevention.
Bulletin No. 61—How to Care for a Tuberculous Patient.
Bulletin No. 70—TUBERCULOSIS: (A. M. A. Bulletin).
Bulletin No. 92—An Act to Prevent the Convicts or Prisoners of North Carolina from Contracting Tuberculosis.
Bulletin No. 117—Tuberculosis: Its Symptoms, Prevention and Cure.
Bulletin No. 129—County Tuberculosis Problem.
Bulletin No. 157—The Problem of the Returned Tuberculous Soldier.
Bulletin No. 1000—If There Is To Be Democratic Equality of Opportunity There Must Be an Equal Opportunity for Health.
Bulletin No. 1001—Murder! (Perfectly Legal.)
Bulletin No. 1002—Carry On.
Bulletin No. 1003—Fundamental Principles of Public Health Nursing.
The Next to Go.
The Story of Four Generations.
Is Your Muffler Working or Your Cut-out Open?
They Are Dead.
Camouflage.
U-Boat.
Why Tuberculous Person Without Funds Should Not Leave Home.
Pessimists Fall Out!
After the "Flu" What?—"Watch Your Step."
The Incidence and the Importance of Pleurisy in Early Tuberculosis, by Dr. P. P. McCain, Sanatorium, N. C.
A Plea for an Earlier Diagnosis of Pulmonary Tuberculosis by the General Practitioner, by Dr. J. H. Way, Waynesville, N. C.
The Diagnosis of Early Pulmonary Tuberculosis for the General Practitioner, by Dr. S. E. Thompson, Carlsbad, Texas.
A Modern Prophecy, by Dr. Benj. K. Hays, Oxford, N. C.
The Infectiousness of Tuberculosis, by Dr. T. D. Coleman, Augusta, Ga.
Importance of the Whole-time Health Officer and the Whole-time Health Nurse in the Campaign Against Tuberculosis and all Preventable Diseases, by Dr. L. B. McBrayer, Sanatorium, N. C.

MEDICAL REPORT, 1919

STATISTICAL

Number patients to be reported on.....	268
Number patients not tuberculous.....	14
Number patients not classified.....	6
Number patients in Sanatorium December 1, 1919.....	125

Total number patients treated during year..... 413

32 PATIENTS WHO STAYED LESS THAN 30 DAYS

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....12	0	0	0	12	0	0
Moderately advanced...13	0	0	0	13	0	0
Far advanced.....7	0	0	0	1	4	2
Acute tuberculosis.....0	0	0	0	0	0	0
Totals.....32	0	0	0	26	4	2
Average stay, 17.7 days			Longest stay, 29 days		Shortest stay, 2 days	
Number Gained Weight, 20			Number Lost Weight, 4			
Average gain.....3. Lbs.			Average loss.....2. Lbs.			
Largest gain.....12. Lbs.			Largest loss.....3.5 Lbs.			
Smallest gain......5 Lbs.			Smallest loss......5 Lb.			
Stationary.....2			Not weighed.....6			

39 PATIENTS WHO STAYED FROM 30 TO 89 DAYS

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....10	0	0	4	6	0	0
Moderately advanced...13	0	0	4	8	0	1
Far advanced.....16	0	0	0	4	10	2
Acute tuberculosis..... 0	0	0	0	0	0	0
Totals39	0	0	8	18	10	3
Average stay, 59.3 days			Longest stay, 87 days		Shortest stay, 30 days	
Number Gained Weight, 24			Number Lost Weight, 15			
Average gain..... 8.8 Lbs.			Average loss..... 5.7 Lbs.			
Largest gain.....26. Lbs.			Largest loss.....16.5 Lbs.			
Smallest gain..... 1. Lb.			Smallest loss..... .5 Lb.			
Stationary..... 0			Not weighed..... 0			

197 PATIENTS WHO STAYED 90 DAYS OR MORE

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....62	8	33	14	6	1	0
Moderately advanced...81	0	6	53	15	6	1
Far advanced.....54	0	1	15	15	20	3
Acute tuberculosis.....0	0	0	0	0	0	0
Totals.....197	8	40	82	36	27	4

Average stay, 199.4 days

Longest stay, 553 days

Shortest stay, 91 days

Number Gained Weight, 158		Number Lost Weight, 39	
Average gain.....	12.1 Lbs.	Average loss.....	8.1 Lbs.
Largest gain.....	59.75 Lbs.	Largest loss.....	26.5 Lbs.
Smallest gain.....	.5 Lb.	Smallest loss.....	.5 Lb.
Stationary.....	11	Not weighed.....	3

HISTORY OF HEMORRHAGE

Negative.....	148
Positive { Previous only.....	102
{ Previous and during residence.....	10
{ During residence only.....	8
Total.....	268

RESULTS OF SPUTUM EXAMINATIONS

Negative or no sputum.....	154
Positive { On admission.....	117
{ During residence.....	103
{ On discharge.....	96
Total.....	470

23 PATIENTS WHO TOOK THE TUBERCULIN TEST

Positive.....	9
Negative.....	14
Total.....	23

Sex	Age						Civil Condition		
	-19	20-29	30-39	40-49	50-59	60+	Single	Married	Widowed
Male.....118	15	71	17	13	1	1	72	47	1
Female.....150	23	61	39	18	7	2	67	67	14
Totals.....268	38	132	56	31	8	3	139	114	15

NATIONALITY

Americans.....268

COMPLICATIONS

Acute nephritis.....	1	Hookworm.....	1	Otitis media.....	4
Anal fistula.....	11	Hyperthyroidism.....	3	Parenchymatous nephritis.....	2
Arterio sclerosis.....	1	Hypertrophic cirrhosis of liver	1	Peritonitis.....	2
Arthritis deformans.....	2	Influenza.....	8	Pharyngitis.....	2
Asthma.....	1	Iritis.....	2	Pleurisy with effusion.....	1
Bronchiectasis.....	2	Laryngitis.....	23	Pregnancy.....	3
Bronchitis.....	11	Lung abscess.....	1	Pyopneumothorax.....	1
Broncho-pneumonia.....	3	Measles.....	1	Salpingitis.....	1
Chicken-pox.....	3	Meningitis.....	1	Septic arthritis.....	1
Empyema.....	1	Miscarriage.....	1	Torticollis.....	1
Endometritis.....	1	Mitral regurgitation.....	3	Tricuspid regurgitation.....	1
Enteritis.....	11	Mumps.....	1		

OCCUPATIONS

Auto mechanic.....	1	Movie operator.....	1
Barbers.....	4	Nurses.....	3
Bookkeepers.....	3	Painter.....	1
Cabinet-maker.....	1	Printers.....	2
Chauffeur.....	1	Radiologist.....	1
Cigar-makers.....	2	Railroad clerks.....	3
Clerks in stores.....	13	Railroad conductor.....	1
Contractor and builder.....	1	Sailor.....	1
Cotton mill employees.....	11	Salesladies.....	4
Dressmaker.....	1	Saw-milling.....	1
Druggist.....	1	Secretary Chamber of Commerce.....	1
Electrician.....	1	Silk mill operator.....	1
Engineers.....	2	Soldiers.....	26
Express agent.....	1	Stenographers.....	6
Farmers.....	32	Students.....	19
General manager merchandise store.....	1	Teachers.....	9
Housekeepers.....	18	Telephone superintendent.....	1
Housewives.....	78	Ticket agent.....	1
Letter carrier.....	1	Tinner.....	1
Locomotive engineer.....	1	Tobacconist.....	1
Merchants.....	2	Traveling salesmen.....	2
Milliner.....	1	No occupation.....	5

TOWNS FROM WHICH THE PATIENTS CAME

Aberdeen.....	2	Graham.....	1	Norwood.....	3
Albemarle.....	2	Granite Quarry.....	1	Oriental.....	1
Alexander.....	2	Grantsboro.....	1	Oxford.....	2
Allenton.....	1	Greensboro.....	9	Peachland.....	1
Aulander.....	1	Greenville.....	1	Pilot Mountain.....	2
Ayden.....	1	Hamptonville.....	1	Pinelevel.....	1
Badin.....	1	Hatteras.....	1	Pisgah.....	2
Bailey.....	2	Henderson.....	5	Polkton.....	1
Barber.....	1	Hester.....	1	Powellsville.....	1
Bardstown.....	1	Hiddenite.....	1	Raleigh.....	7
Belhaven.....	1	High Point.....	4	Reidsville.....	2
Bessemer City.....	1	Hill's Store.....	1	Roanoke Rapids.....	2
Boonville.....	1	Huntersville.....	1	Rockingham.....	3
Bridgeton.....	1	Jackson's Creek.....	1	Rocky Mount.....	4
Brown Summit.....	1	Jamestown.....	1	Rosehill.....	1
Brummett.....	1	Jamesville.....	1	Rowland.....	3
Buies Creek.....	1	Jennings.....	2	Roxobel.....	1
Burlington.....	3	Kinston.....	3	Rusk.....	1
Caroleen.....	1	Laurinburg.....	3	St. Just.....	1
Casar.....	1	Lawndale.....	4	St. Paul's.....	1
Cedar Creek.....	2	Lemon Springs.....	1	Salisbury.....	1
Charlotte.....	8	Lenoir.....	3	Saluda.....	1
Clarkton.....	1	Lexington.....	3	Sanford.....	3
Clayton.....	3	Lillington.....	1	Seagrove.....	1
Cliffside.....	1	Lincolnton.....	1	Selma.....	1
Columbia.....	1	Littleton.....	2	Seven Springs.....	1
Concord.....	3	Louisburg.....	1	Shallotte.....	1
Crossnore.....	1	Lumberton.....	2	Shelby.....	1
Crouse.....	1	McAdenville.....	1	Siloam.....	2
Crumpler.....	1	Macesfield.....	1	Spencer.....	1
Culberson.....	1	Magnolia.....	1	Spring Hope.....	1
Dallas.....	1	Marion.....	1	Stantonsburg.....	1
Davidson.....	3	Maxton.....	1	Stedman.....	2
Denim Branch.....	1	Mebane.....	3	Stem.....	1
Dunn.....	4	Midland.....	1	Stoneville.....	1
Durham.....	7	Milton.....	1	Sunburst.....	1
East Durham.....	1	Minton.....	1	Tarboro.....	1
Elizabeth City.....	3	Monroe.....	4	Wade.....	1
Elkin.....	1	Mooreville.....	1	Wadesboro.....	1
Ellenboro.....	1	Morehead City.....	3	Wadeville.....	1
Enfield.....	1	Morganton.....	1	Wake Forest.....	1
Farmville.....	1	Morven.....	1	Washington.....	1
Fayetteville.....	8	Mount Airy.....	4	Waxhaw.....	1
Ferguson.....	1	Mount Olive.....	2	West Durham.....	2
Franklin.....	1	Murfreesboro.....	1	Williamston.....	1
Garland.....	1	Murphy.....	2	Wilson.....	1
Gastonia.....	3	New Bern.....	1	Windsor.....	1
George.....	1	New Hill.....	1	Winston-Salem.....	7
Gibson.....	1	Newport.....	1	Winterville.....	1
Goldsboro.....	5	Newton Grove.....	1	Yadkinville.....	1
Gorham.....	1	Norlina.....	1		

COUNTIES FROM WHICH THE PATIENTS CAME

Alamance.....	7	Forsyth.....	7	Pasquotank.....	3
Alexander.....	1	Franklin.....	1	Pitt.....	4
Anson.....	4	Gaston.....	6	Polk.....	1
Ashe.....	1	Granville.....	4	Randolph.....	5
Avery.....	1	Guilford.....	16	Richmond.....	3
Beaufort.....	2	Halifax.....	5	Robeson.....	8
Bertie.....	4	Harnett.....	6	Rockingham.....	3
Bladen.....	1	Haywood.....	1	Rowan.....	4
Brunswick.....	1	Hertford.....	1	Rutherford.....	3
Buncombe.....	2	Iredell.....	3	Sampson.....	2
Burke.....	1	Johnston.....	5	Scotland.....	4
Cabarrus.....	4	Lee.....	4	Stanly.....	6
Caldwell.....	3	Lenoir.....	3	Surry.....	10
Carteret.....	4	Lincoln.....	2	Tyrrell.....	1
Caswell.....	1	Macon.....	1	Union.....	5
Cherokee.....	3	Martin.....	2	Vance.....	5
Cleveland.....	6	McDowell.....	1	Wake.....	9
Craven.....	2	Mecklenburg.....	12	Warren.....	1
Cumberland.....	13	Mitchell.....	1	Wayne.....	8
Dare.....	1	Montgomery.....	2	Wilkes.....	2
Davidson.....	3	Moore.....	2	Wilson.....	2
Duplin.....	2	Nash.....	3	Yadkin.....	3
Durham.....	9	Northampton.....	1	Unknown.....	3
Edgecombe.....	6	Pamlico.....	2		

OUTSIDE PATIENTS EXAMINED FOR DIAGNOSIS AND CONSULTATION

December.....	18	April.....	66	August.....	60
January.....	43	May.....	80	September.....	192
February.....	40	June.....	67	October.....	87
March.....	70	July.....	42	November.....	144
Total.....					909

SUMMARY MEDICAL REPORT DECEMBER 1, 1918, TO NOVEMBER 30, 1919

Patients admitted:

Incipient.....	100
Moderately advanced.....	117
Far advanced.....	72
Not classified.....	4
For test.....	9
Not tuberculous.....	5
Total.....	307

Patients discharged:

Arrested.....	8
Apparently arrested.....	40
Quiescent.....	90
Improved.....	80
Unimproved.....	41
Died.....	9
Not tuberculous.....	14
Not classified.....	6
Total.....	288

Hospital days.....43,446

LABORATORY REPORT

Sputa: (Miks.).....	1,417
(Chem.).....	245
Urinalysis: (Miks.).....	476
(Chem.).....	1,488
Blood counts:	
W. B. C. Dif. counts.....	40
W. B. C. counts.....	30
R. B. C. counts.....	30
Hemoglobin.....	30
Pleural fluid.....	6
Feces.....	19
Gastric.....	1
Total.....	3,782

PRESENT CONDITION OF ALL INCIPIENT PATIENTS DISCHARGED FROM
THE SANATORIUM PREVIOUS TO JUNE 30, 1919

Condition on Discharge	Condition June 30, 1919	Years Discharged						
		1914	1915	1916	1917	1918	1919	Total
Arrested 34	Living and working.....	0	5	6	13	3	1	28
	Living and not working.....	0	0	1	2	0	1	4
	Dead.....	0	0	0	0	0	0	0
	Lost.....	0	0	1	0	1	0	2
Apparently Arrested 122	Living and working.....	1	7	27	32	24	7	98
	Living and not working.....	1	1	1	7	6	5	21
	Dead.....	0	1	0	0	0	0	1
	Lost.....	0	1	0	0	1	0	2
Quiescent 65	Living and working.....	5	3	12	9	12	5	46
	Living and not working.....	0	1	0	2	3	5	11
	Dead.....	0	6	0	0	0	0	6
	Lost.....	0	1	0	1	0	0	2
Improved 58	Living and working.....	0	4	11	13	8	5	41
	Living and not working.....	1	0	2	2	2	3	10
	Dead.....	0	1	0	1	2	0	4
	Lost.....	0	0	2	1	0	0	3
Unimproved 4	Living and working.....	0	0	1	1	0	1	3
	Living and not working.....	0	0	0	0	0	0	0
	Dead.....	0	0	0	1	0	0	1
	Lost.....	0	0	0	0	0	0	0
Total 283	Living and working.....	6	19	57	68	47	19	216
	Living and not working.....	2	2	4	13	11	14	46
	Dead.....	0	8	0	2	2	0	12
	Lost.....	0	2	3	2	2	0	9

PRESENT CONDITION OF ALL MODERATELY ADVANCED PATIENTS
DISCHARGED FROM THE SANATORIUM PREVIOUS TO JUNE 30, 1919

Condition on Discharge	Condition June 30, 1919	Years Discharged						
		1914	1915	1916	1917	1918	1919	Total
Arrested 13	Living and working.....	0	4	5	1	1	0	11
	Living and not working.....	0	0	2	0	0	0	2
	Dead.....	0	0	0	0	0	0	0
	Lost.....	0	0	0	0	0	0	0
Apparently Arrested 42	Living and working.....	2	1	6	4	10	3	26
	Living and not working.....	1	1	3	3	5	2	15
	Dead.....	0	1	0	0	0	0	1
	Lost.....	0	0	0	0	0	0	0
Quiescent 271	Living and working.....	6	16	28	38	27	18	133
	Living and not working.....	1	2	7	13	13	21	57
	Dead.....	11	15	30	13	6	0	75
	Lost.....	1	2	0	1	0	2	6
Improved 175	Living and working.....	6	6	11	16	12	3	54
	Living and not working.....	1	2	5	11	10	10	39
	Dead.....	19	16	16	17	11	0	79
	Lost.....	0	1	0	1	0	1	3
Unimproved 36	Living and working.....	0	0	2	1	0	0	3
	Living and not working.....	0	0	0	0	4	5	9
	Dead.....	2	5	5	4	6	2	24
	Lost.....	0	0	0	0	0	0	0
Total 537	Living and working.....	14	27	52	60	50	24	227
	Living and not working.....	3	5	17	27	32	38	122
	Dead.....	32	37	51	34	23	2	179
	Lost.....	1	3	0	2	0	3	9

PRESENT CONDITION OF ALL FAR ADVANCED PATIENTS DISCHARGED
FROM THE SANATORIUM PREVIOUS TO JUNE 30, 1919

Condition on Discharge	Condition June 30, 1919	Years Discharged						
		1914	1915	1916	1917	1918	1919	Total
Arrested 0	Living and working.....	0	0	0	0	0	0	0
	Living and not working.....	0	0	0	0	0	0	0
	Dead.....	0	0	0	0	0	0	0
	Lost.....	0	0	0	0	0	0	0
Apparently Arrested 1	Living and working.....	0	0	0	0	0	1	1
	Living and not working.....	0	0	0	0	0	0	0
	Dead.....	0	0	0	0	0	0	0
	Lost.....	0	0	0	0	0	0	0
Quiescent 79	Living and working.....	1	4	4	12	6	3	30
	Living and not working.....	0	3	0	2	9	5	19
	Dead.....	2	9	9	0	3	0	23
	Lost.....	0	0	0	6	1	0	7
Improved 143	Living and working.....	0	2	4	5	7	1	19
	Living and not working.....	1	1	3	1	9	14	29
	Dead.....	20	22	16	28	6	2	94
	Lost.....	0	0	0	0	0	1	1
Unimproved 114	Living and working.....	0	0	2	0	0	0	2
	Living and not working.....	0	1	1	1	4	4	11
	Dead.....	19	11	14	16	27	14	101
	Lost.....	0	0	0	0	0	0	0
Total 337	Living and working.....	1	6	10	17	13	5	52
	Living and not working.....	1	5	4	4	22	23	59
	Dead.....	41	42	39	44	36	16	218
	Lost.....	0	0	0	6	1	1	8

FINANCIAL STATEMENT

TRIAL BALANCE NORTH CAROLINA SANATORIUM, DECEMBER 1, 1919

Surplus.....	\$283,314.90
Bank of Hoke, overdraft.....	2,244.41
Page Trust Co., overdraft.....	20,175.64
Reserve for depreciation.....	19,286.38
Real estate and hospital grounds.....	\$ 20,000.00
Administration building.....	6,100.00
Nurses' Home.....	10,200.00
Superintendent's residence.....	7,150.00
Assembly hall, dining hall and kitchen.....	8,500.00
Infirmary.....	62,768.68
Open Air Cottage.....	3,500.00
Two-story open air cottage.....	6,500.00
Stenographer's home.....	1,750.00
Physicians' residence.....	3,500.00
Farm supplies.....	892.27
Farm land.....	8,500.00
Farm machinery and tools.....	2,051.78
Farm live stock.....	2,206.68
Farm residences.....	3,505.64
Dairy fixtures.....	529.80
Dairy barns, silos, and bottling plant.....	23,517.19
Dairy live stock.....	11,250.86
Hogs.....	3,291.32
Furniture and fixtures (hospital).....	6,554.87
Furniture and fixtures (dining room and kitchen).....	3,148.05
Furniture and fixtures (superintendent's residence).....	1,535.74
Furniture and fixtures (Nurses' Home).....	1,500.00
Furniture and fixtures (cottages).....	369.65
Linen and bedding.....	8,470.34
Crockery and silver.....	1,155.21
Drugs and medicine.....	375.90
Hospital supplies and equipment.....	13,672.18
Dairy supplies.....	2,326.53
Provisions.....	3,824.93
Training school books.....	137.93
Power, light, plumbing, refrigeration.....	51,070.47
Telephone system.....	2,525.53
Stereopticon outfit.....	131.00
Library.....	135.00
Business office supplies.....	225.15
Business office equipment.....	764.00
Extension office supplies.....	255.75
Extension office equipment.....	3,465.09
Laboratory and medical equipment.....	4,370.55
Sewage system and disposal plant.....	11,178.39

Transportation and drayage.....	\$ 2,315.00	
Accounts receivable.....	329.44	
State appropriation not deposited.....	16,604.01	
Cash.....	2,866.40	
	<hr/>	
	\$325,021.33	\$325,021.33

EXPENDITURES NORTH CAROLINA SANATORIUM, YEAR ENDING
NOVEMBER 30, 1919

PERMANENT IMPROVEMENT FUND

Buildings: New.....	\$ 31,617.10	
Improved.....	1,203.93	
Hospital fixtures.....	4.00	
Transportation and dray.....	55.46	
Telephones.....	25.79	
Power.....	18.58	
Water and sewer.....	12,100.97	
Laundry.....	1,006.75	
Dairy barn and silo.....	12,071.43	
	<hr/>	
		\$ 60,104.01

EXTENSION FUND

Executive: salaries.....	\$ 8,377.17	
Traveling expenses.....	1,811.38	
Office: Furniture and fixtures.....	1,207.59	
Books and stationery.....	1,357.56	
Stamps.....	1,246.30	
	<hr/>	
		14,000.00

MAINTENANCE APPROPRIATION

Salaries: Medical.....	\$ 4,165.76	
Executive.....	1,926.37	
Nurses and attendants.....	2,247.00	
Cooks and servants.....	6,076.68	
Audit of books.....	159.56	
Supplies: Bedding and linen.....	1,062.75	
Crockery and silver.....	86.25	
Drugs and medicines.....	155.35	
Hospital.....	8,560.61	
Provisions: Meats.....	5,102.49	
Butter.....	1,643.00	
Eggs.....	351.84	
Vegetables and fruits.....	332.66	
Groceries.....	4,569.80	
Miscellaneous.....	21.56	
Equipment: Furniture and fixtures.....	127.71	
Instruments.....	190.46	
Office.....	38.06	
Stationery and books.....	73.86	

Stamps.....	\$ 45.22
Miscellaneous.....	18.13
Power, light, water, refrigeration: Labor.....	2,851.95
Supplies.....	6,251.22
Farm: Live stock.....	2.52
Repairs to buildings.....	7.61
Machinery and tools.....	45.68
Seeds and fertilizers.....	268.05
Feed.....	1,186.24
Labor.....	3,543.47
Dairy: Live stock.....	3,557.58
Fixtures.....	71.35
Supplies.....	99.05
Feed.....	504.57
Labor.....	1,175.53
Telephone and telegraph.....	166.82
Laundry.....	694.56
Transportation and dray.....	2,728.68
	<hr/>
	\$ 60,020.00

PATIENTS' FUNDS

Salaries: Medical.....	\$ 325.00
Executive.....	798.35
Nurses and attendants.....	13.54
Cooks and servants.....	333.66
Supplies: Bedding and linen.....	1,161.09
Crockery and silver.....	597.96
Drugs and medicines.....	677.12
Hospital.....	3,175.18
Provisions: Meats.....	5,825.14
Butter.....	706.07
Eggs.....	9,302.91
Vegetables and fruits.....	1,944.89
Groceries.....	8,534.06
Miscellaneous.....	101.76
Equipment: Furniture.....	256.35
Instruments.....	9.50
Miscellaneous.....	91.95
Office: Equipment.....	675.97
Books and stationery.....	230.52
Stamps.....	465.39
Power, light, water, refrigeration: Labor.....	540.63
Supplies.....	5,182.44
Farm: Live stock.....	604.16
Repairs to buildings.....	25.59
Machinery and tools.....	319.35
Seeds and fertilizers.....	1,725.19
Feed.....	1,486.97
Labor.....	1,066.94
Miscellaneous.....	86.60
Dairy: Live stock.....	75.00
Insurance, live stock.....	30.00

Repairs to buildings.....	\$ 1.50	
Fixtures.....	48.79	
Feed.....	5,670.92	
Supplies.....	266.03	
Labor.....	506.02	
Miscellaneous labor.....	141.10	
Telephone and telegraph.....	398.86	
Laundry.....	2,947.99	
Transportation and dray.....	1,681.70	
Refund board and treatment.....	3,863.17	
Hogs.....	508.82	
Landscape.....	22.21	
X-ray.....	519.47	
Freight and express.....	344.88	
Miscellaneous.....	10.00	
	<hr/>	\$ 63,348.97
Total expenditures.....		\$197,472.98

STATEMENT SHOWING DISPOSITION OF FUNDS

Permanent Improvement Fund, authorized.....	\$ 60,104.01	
Expenditure, fiscal year 1919.....		\$ 60,104.01
Extension Fund appropriation.....	14,000.00	
Expenditure, fiscal year 1919.....		14,000.00
Maintenance appropriation.....	60,000.00	
1920 appropriation anticipated.....	20.00	
Expenditure, fiscal year 1919.....		60,020.00
	<hr/>	<hr/>
	\$134,124.01	\$134,124.01
Disbursements: Maintenance funds.....	60,020.00	
Patients' funds.....	63,348.97	
	<hr/>	
	\$123,368.97	
Less refunds, board and treatment.....	3,863.17	
	<hr/>	
Actual expenditure.....	\$119,505.80	
Hospital days, 1919.....	43,446	
Average cost per patient per day.....	2.65	

CASH REPORT OF NORTH CAROLINA SANATORIUM FOR
YEAR ENDING DECEMBER 1, 1919

Permanent Improvement Fund.....	\$ 60,104.01
Maintenance appropriation.....	60,020.00
Extension Fund.....	14,000.00
Fire Commission Fund.....	388.78
Bequest from Hoyt estate.....	197.50
Patients' Fund:	
Board and treatment.....	\$53,408.98
Auto.....	8.10
Laundry.....	1,509.95

Hospital supplies.....	\$ 1,505.29	
Telephone and telegraph.....	87.38	
Post office rent.....	90.00	
Sale of provisions.....	1,115.70	
Farm.....	210.30	
Dairy.....	281.72	
X-ray.....	250.07	
Hogs.....	25.00	
Power.....	26.94	
Refrigeration.....	100.00	
Drugs and medicines.....	18.10	
Real estate.....	77.00	
	<hr/>	\$ 58,749.53
Cash on hand December 1, 1918.....	1,082.12	
Overdraft, Page Trust Company, December 1, 1919..	20,175.64	
Overdraft, Bank of Hoke, December 1, 1919.....	2,244.41	
Accounts receivable, December 1, 1919.....	1.40	
	<hr/>	\$216,963.39
Less State appropriation, not deposited.....		\$ 16,624.01
Less cash on hand, December 1, 1919.....	19,490.41	2,866.40
	<hr/>	<hr/>
Expenditures per disbursement sheet.....	\$197,472.98	

NAME OF ORGANIZATIONS THAT HAVE SUPPORTED PATIENTS
DURING THE YEAR, NUMBER OF PATIENTS SO SUPPORTED,
AND AMOUNT PAID

<i>Name of Club or Organization</i>	<i>Number Patients Supported</i>	<i>Amount Paid</i>
Caswell Training School.....	1	\$ 185.00 .
Woman's Club, Henderson.....	1	153.00
Baptist Philathea Class, Henderson.....	1	45.00
Board County Commissioners, Pasquotank.....	2	190.00
Erwin Cotton Mills.....	1	140.00
I. O. O. F. Orphanage.....	1	96.00
Clerk Superior Court, Pasquotank.....	1	95.00
Oxford Orphanage.....	1	230.00
Proximity Manufacturing Co.....	1	255.00
Woman's Club, Greensboro.....	2	355.00
Board County Commissioners, Buncombe.....	1	241.00
Revolution Cotton Mills.....	1	109.00
Thompson Orphanage.....	2	275.00
Pythian Home.....	1	62.00
Board County Commissioners, Henderson.....	1	229.00
Tolar-Hart Mills.....	1	41.00
Presbyterian Church, Fayetteville.....	1	41.00
Charity Organization Society, Goldsboro.....	1	61.00
Red Cross, Fayetteville.....	1	68.00
Red Cross, Greensboro.....	2	191.00
Red Cross, Lenoir.....	1	50.00
Totals.....	25	\$3,112.00

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